

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants:	M. Vikram Rao)	
)	Art Unit: Unknown
Serial No.:	Unknown)	
)	
Filed:	Concurrently Herewith)	Examiner: Unknown
)	
For:	Improved Particulates)	
	And Methods of Utilizing)	
	These Particulates in)	
	Subterranean Applications))	

INFORMATION DISCLOSURE STATEMENT

COMMISSIONER FOR PATENTS
Alexandria, VA 22313-1450

SIR:

The following documents are known to Applicants or Applicants' attorneys and are submitted for the Examiner to consider in the above-captioned application.

U. S. PATENTS

U.S. Patent Number 4,440,866 issued 04/03/84 to Eugene P. Lunghofer, et al;
U.S. Patent Number 4,493,875 issued 01/15/85 to Warren R. Beck, et al;
U.S. Patent Number 4,879,181 issued 11/07/89 to Jeremiah J. Fitzgibbon, et al;
U.S. Patent Number 4,921,820 issued 05/01/90 to David S. Rumpf, et al;
U.S. Patent Number 4,921,821 issued 05/01/90 to David S. Rumpf, et al;
U.S. Patent Number 5,120,455 issued 06/09/92 to Eugene P. Lunghofer;
U.S. Patent Number 5,030,603 issued 07/09/91 to David S. Rumpf, et al;
U.S. Patent Number 5,188,175 issued 02/23/93 to Larrie Sweet;

U.S. Patent Number 5,893,416 issued 04/13/99 to Peter Arne Read;
U.S. Patent Number 5,964,291 issued 10/12/99 to Hugh Malcolm Bourne, et al;
U.S. Patent Number 5,941,297 issued 08/24/99 to Robin Michael Kurt Young;
U.S. Patent Number 6,364,018 issued 04/02/02 to Harold D. Brannon, et al;
U.S. Patent Number 6,372,678 issued 04/16/02 to Robert Youngman;
U.S. Patent Number 6,406,789 issued 06/18/02 to Robert R. McDaniel, et al;
U.S. Patent Number 20020048676 issued 04/25/02 to Robert R. McDaniel, et al; and
U.S. Patent Number RE 34,371 issued 09/07/93 to David S. Rumpf, et al.

FOREIGN PATENTS

PCT WO 03/042497 published 10/14/02 to Eugene P. Lunghofer, et al.

OTHER PRIOR ART

Internet article entitled "Production of lightweight aggregate from incinerator bottom ash" found at <http://ewre-www.cv.ic.ac.uk/staff/cheeseman/research.htm> by Centre for Environmental Control and Waste Management; and

Specification Sheet entitled "Lytag Granular Aggregates – Chemical Composition" found in Lytag, May 2001, Section 16, Page 17.

Copies of the aforementioned references and Form PTO-1449 are submitted herewith.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Robert A. Kent". The signature is fluid and cursive, with a large initial "R" and a long, sweeping underline.

Robert A. Kent
Registration No. 28,626
Halliburton Energy Services
P. O. Box 1431
Duncan, OK 73536-0440
580-251-3125

PTO-1449		Application No.		Applicant(s)		
Information Disclosure Citation in an Application		Docket Number		Group Art Unit	Filing Date	
		2003-IP-010829U1				
U.S. PATENT DOCUMENTS						
	DOCUMENT NO.	ISSUE/ PUB. DATE	NAME	CLASS	SUBCLASS	FILING DATE
	4,440,866	4/3/84	Lunghofer, <i>et al.</i>	501	127	10/28/82
	4,493,875	1/15/85	Beck, <i>et al.</i>	428	403	12/6/83
	4,879,181	11/7/89	Fitzgibbon	428	402	4/20/87
	4,921,820	5/1/90	Rumpf	501	128	1/17/89
	4,921,821	5/1/90	Rumpf, <i>et al.</i>	501	128	1/17/89
	5,120,455	6/9/92	Lunghofer	507	269	12/5/90
	5,030,603	7/9/91	Rumpf, <i>et al.</i>	501	127	2/21/90
	5,188,175	2/23/93	Sweet	166	280	10/2/91
	5,893,416	4/13/99	Read	166	304	11/28/97
	5,964,291	10/12/99	Bourne, <i>et al.</i>	166	279	2/28/96
	5,941,297	8/24/99	Young	164	62	9/23/96
	6,364,018	4/2/02	Brannon, <i>et al.</i>	166	280	5/25/00
	6,372,678	4/16/02	Youngman, <i>et al.</i>	501	128	9/18/01
	6,406,789	6/18/02	McDaniel, <i>et al.</i>	428	402	2/3/01
	Appl. 20020048676	4/28/02	McDaniel, <i>et al.</i>	428	404	2/1/01
	RE34,371	09/07/93	Rumpf, <i>et al.</i>	501	128	1/22/92
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
						Yes No
	WO 03/042,497	10/14/02	Published US PCT Application	43	267	X
NON-PATENT DOCUMENTS						
	DOCUMENT (Including Author, Title, Source, and Pertinent Pages)					
	http://ewre-www.cv.ic.ac.uk/staff/cheeseman/research.htm					
	LYTAG granular aggregate specification sheet					
EXAMINER				DATE CONSIDERED		
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.						